



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s):	Mark T. Fisher et al.	)	Examiner:	SNEDDEN, SHERIDAN
		)		
Serial No.:	09/808,774	)	Art Unit:	1653
		)		
Filing Date:	03/15/2001	)		
		)		
Title:	CHAPERONIN AND	)		
	OSMOLYTE PROTEIN	)		
	FOLDING AND RELATED	)		
	SCREENING METHODS	)		

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(c)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. § 1.56 and § 1.97(c), the references listed below and on the attached Form PTO/SB/08A (Substitute for Form 1449A-B/PTO) are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

Applicant respectfully submits that a bona fide attempt to comply with § 1.98 was made prior to the Final Office Action in the Information Disclosure Statement dated June 25, 2003, but the references were either lost by the Patent Office or inadvertently omitted. As such, Applicant respectfully requests that pursuant to § 1.97(f), the Information Disclosure Statement be accepted.

Submission of these references is not an admission that the references constitute prior art.

**Certificate of Mailing Under 37 C.F.R. 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on:

Date: November 24, 2003  
Signature: Lora Gwiley  
Printed Name: Lora Gwiley

The Director is hereby authorized to charge any additional amount required, or credit any overpayment, to Deposit Account No. 19-4409.

12/02/2003 10:00:00 AM 00000025 09808774

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Serial No.: 09/808,774  
Docket No.: 70009590-0020

### U.S. PATENTS

Patent No.

Inventor(s)

Issue Date

None.

### FOREIGN PATENTS

Country

Patent No./Publication No.

Publication Date

None.

### OTHER REFERENCES

RODERICH BRANDSCH, et al., GroE Dependence on Refolding and Holoenzyme Formation off 6-Hydroxy-D-NICOTINE Oxidase, <i>THE JOURNAL OF BIOLOGICAL CHEMISTRY</i> , OCT. 15, 1992, VOL. 267, No. 29, pp. 20844-20849, USA
GEORGE W. FARR, et al., Multivalent Binding of Nonnative Substrate Proteins by the Chaperonin GroEL, <i>Cell</i> , March 3, 2000, Vol. 100, pp. 561-573, USA
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KIRK E. SMITH, et al., Interactions between the GroE Chaperonins and Rhodanese, <i>The Journal of Biological Chemistry</i> , Sept. 15, 1995, Vol. 270, No. 37, pp. 21517-21523, USA
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PAUL A. VOZIYAN, et al., Chaperonin-assisted folding of glutamine synthetase under nonpermissive conditions: Off-pathway aggregation propensity does not determine the co-chaperonin requirement, <i>Protein Science</i> , 2000, 9:2405-2412, Cambridge University Press, USA
PAUL A. VOZIYAN, et al., Polyols Induce ATP-Independent Folding of GroEL-Bound Bacterial Glutamine Synthetase, <i>Archives of Biochemistry and Biophysics</i> , January 15, 2002, Vol. 397, No. 2, pp. 293-297, USA

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AIJUN WANG, et al., A Naturally Occurring Protective System in Urea-Rich Cells: Mechanism of Osmolyte Protection of Proteins against Urea Denaturation, <i>Biochemistry</i> , 1997, 36m 9101-9108, USA
JUE D. WANG, et al., GroEL-GroES-mediated protein folding requires an intact central cavity, <i>Proc. Natl. Acad. Sci. USA</i> , October 1998, Vol. 95, pp. 12163-12168, USA
FRANK WEBER, et al., The oligomeric structure of GroEL/GroES is required for biologically significant chaperonin function in protein folding, <i>Nature Structural Biology</i> , 1998 Nature America Inc., Vol. 5 No. 11, pp. 977-985, USA
WANG ZHI, et al., Renaturation of citrate synthase: Influence of denaturant and folding assistants, 1992, <i>Protein Science</i> , 1, 522-529, USA

Applicants respectfully request that these references be made of record in the above-identified application and considered by the Examiner during prosecution of the application.

It is respectfully submitted that the present invention as claimed is patentable over the listed references.

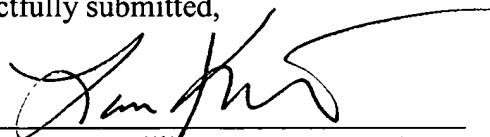
This information disclosure statement is being filed on or before payment of the issue fee.

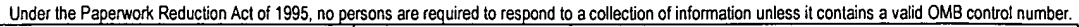
Enclosed is a check in the amount of \$180.00 to cover the fee set forth in 37 C.F.R. § 1.17(p).

Acknowledgment of receipt is respectfully requested.

Respectfully submitted,

By:

  
Lana M. Knedlik, Reg. No. 42,748  
STINSON MORRISON HECKER LLP  
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Attorney for Applicants



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

**Complete if Known**

<b>Application Number:</b>	09/808,774
<b>Filing Date:</b>	03/15/2001
<b>First Named Inventor:</b>	Mark T. Fisher
Group Art Unit:	1653
Examiner Name:	SNEDDEN, SHERIDAN
Attorney Docket Number:	70009590-0020

Sheet	1	of	3
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## U. S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449B/PTO (Modified)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

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Sheet	2	of	3
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**OTHER REFERENCES – NON PATENT LITERATURE DOCUMENTS AND INFORMATION**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		RODERICH BRANDSCH, et al., GroE Dependence on Refolding and Holoenzyme Formation off 6-Hydroxy-D-NICOTINE Oxidase, <i>THE JOURNAL OF BIOLOGICAL CHEMISTRY</i> , OCT. 15, 1992, Vol. 267, No. 29, pp. 20844-20849, USA	
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Substitute for Form 1449B/PTO (Modified)

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Sheet 3 of 3

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